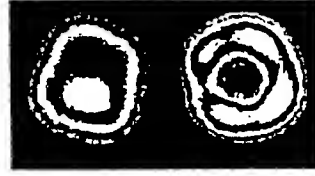


Fig. 1



Hermite-Gaussian  
mode VCSEL:

Fig. 2a

Laguerre-Gaussian  
mode VCSEL:

Fig. 2b

Fig. 3a

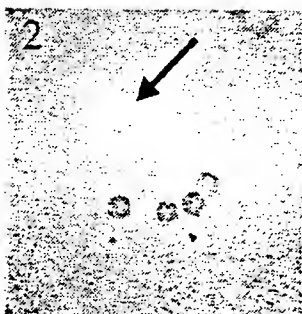
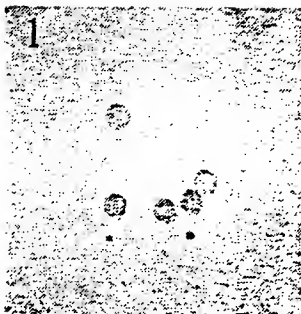


Fig. 3b

Fig. 3c

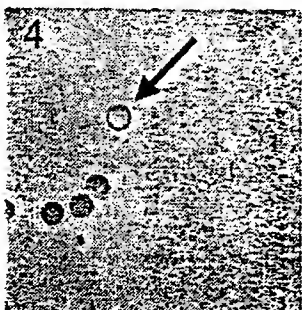
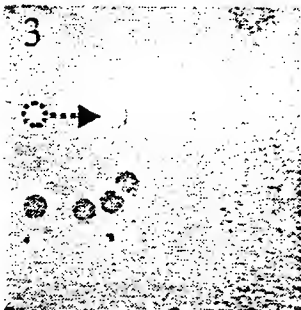


Fig. 3d

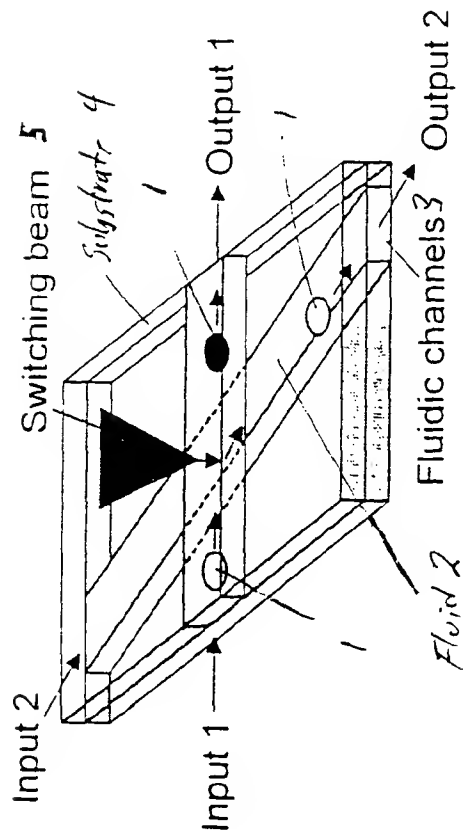


Fig. 4a

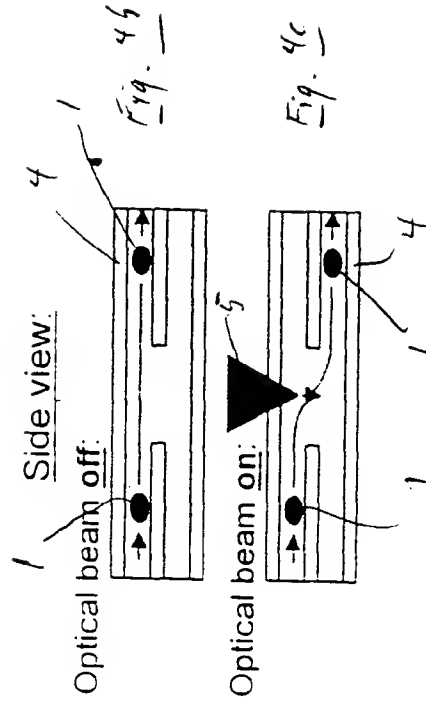


Fig. 4c

Fig. 4b

203090" 2T086660

Fig. 5a

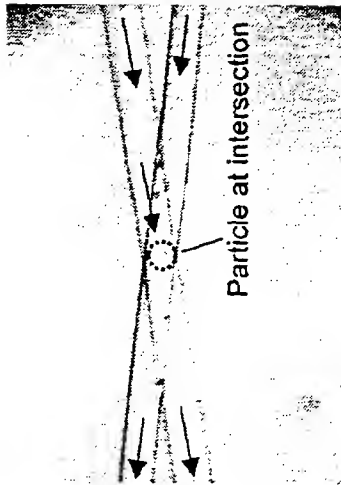
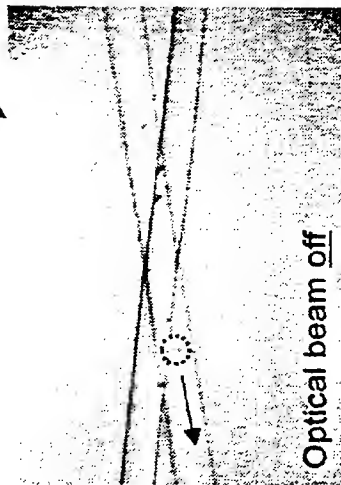


Fig. 5c



Fig. 5b



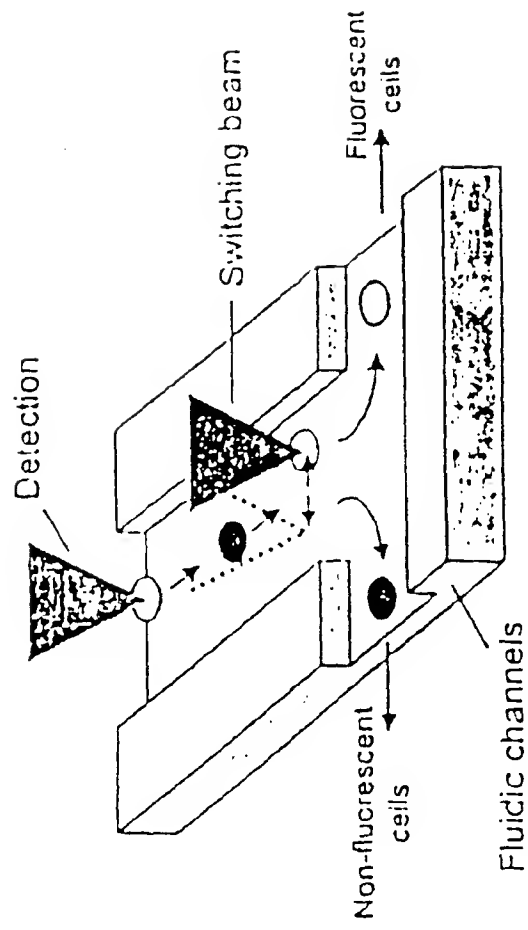


Fig 6

09998012.060602

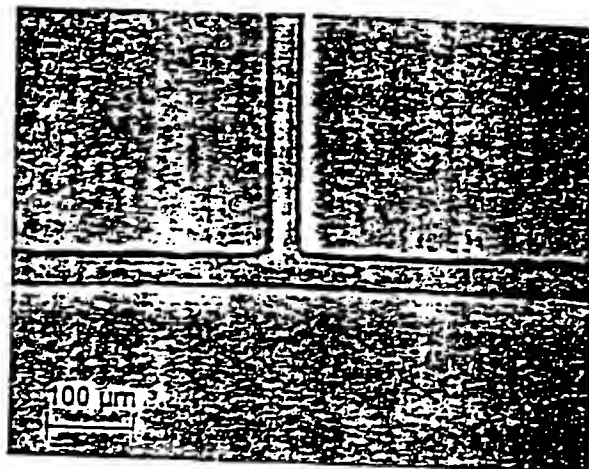


Fig. 7a

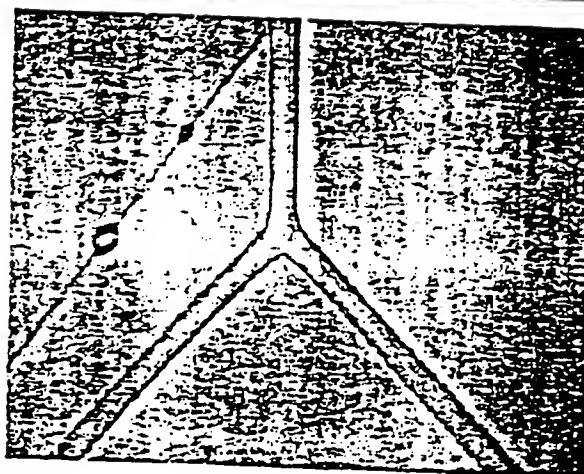


Fig. 7b

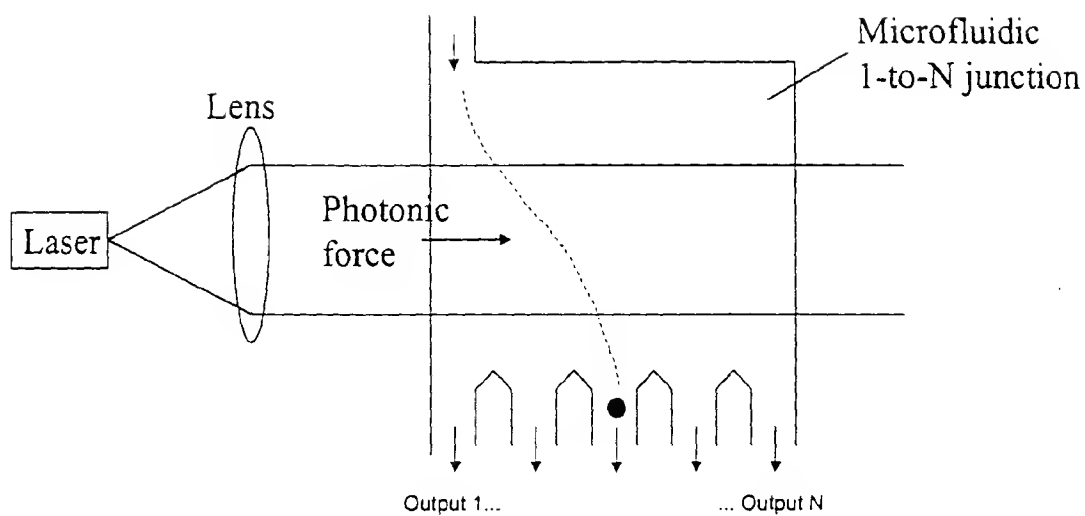


Figure 7c 1-to-N optically-switched microfluidic junction

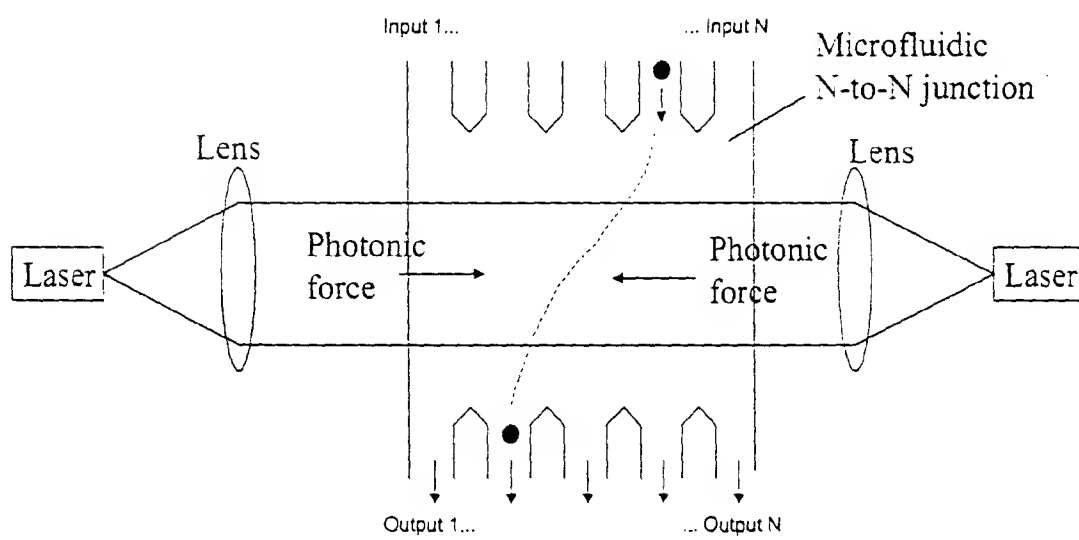


Figure 7d N-to-N optically-switched microfluidic junction

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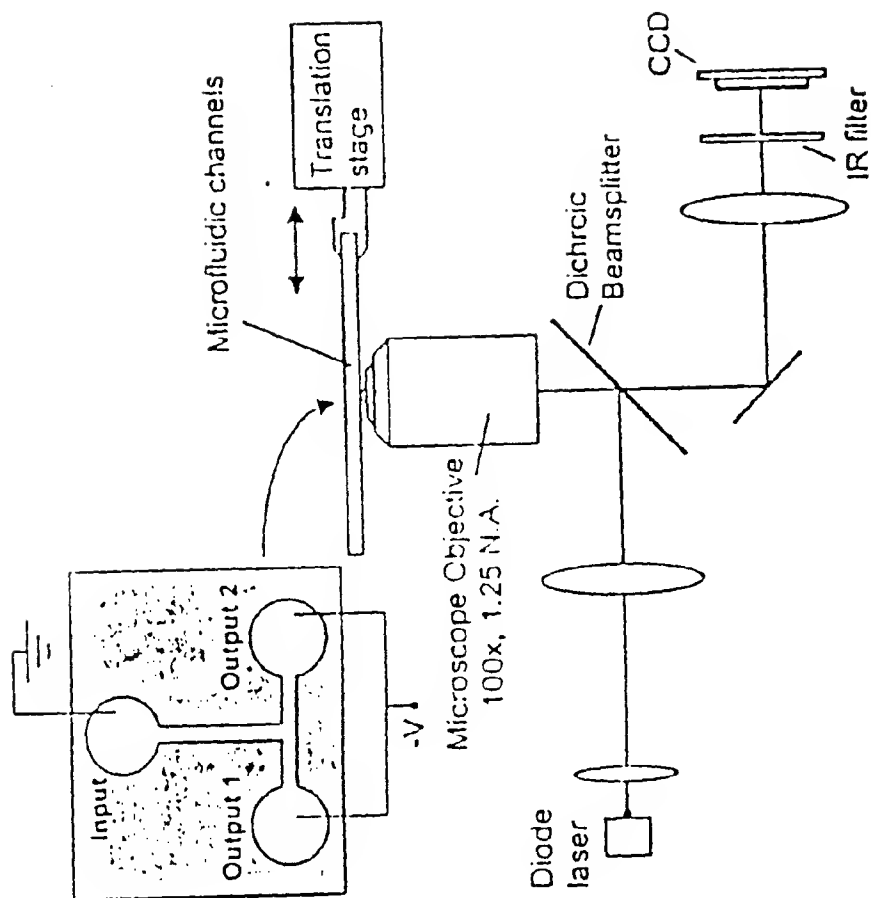


Fig. 8



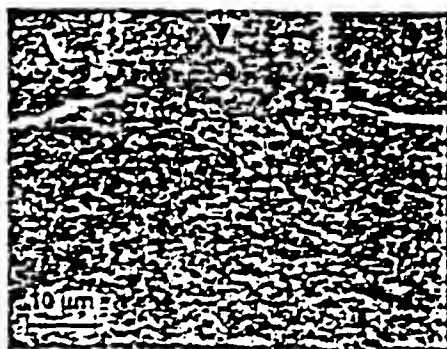


Fig. 9a

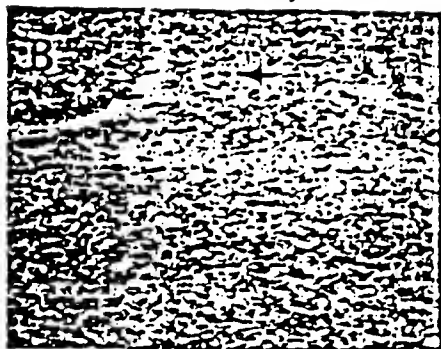


Fig. 9b

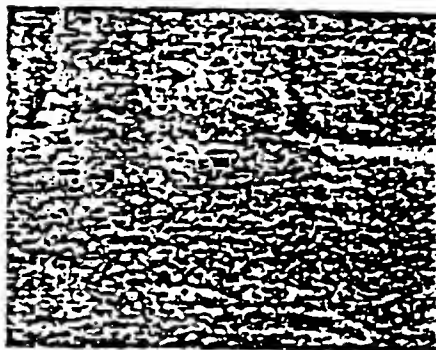


Fig. 9d

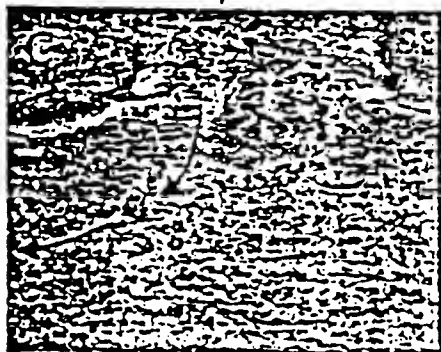


Fig. 9c



Fig. 9e